IN THE SPECIFICATION

Please amend the specification as follows:

The Table 6 on page 21 is amended as follows:

Table 6 Calculating Communication Strengths

Step Function	Maximum (= 10)	Average (= 5)	Low = (1)
Timing	if Time > ~~minimum~~ maximum	if Time = average	if Time < ~~maximum~~ minimum
Frequency	if frequency > maximum rate of small messages on bus	if frequency = average rate of small messages on bus	if frequency <= minimum rate of small messages on bus
Bandwidth	if data size > maximum bus capacity	if data size = average bus capacity	if data size <= minimum bus capacity

The Table beginning at page 42, line 26 – page 43, lines 2 is amended as follows:

Table 12 Initial Platform Loads

Platform (Component)	Processor Capacity	Processor Utilization	Memory Capacity	Memory Utilization
P1 (C4)	15 mips	68%	300 mb	84%
P2 (C3 &C5)	60 mips	93%	200 mb	88%
P3 (C1)	70 mips	89%	1 gb	90%
P4 (C2)	50 mips	90%	~~1 gb~~ 1 gb	80%

The paragraph beginning at page 37, line ~~20~~ 19 is amended as follows:

FIG. 4 shows an exemplary system that comprises four computers, with a functional partitioning and allocation into four components:

1. Sonar software (processing data from the Fore sensors), Tasks F_1-F_4 in FIG. 4, ·

2. Sonar software (processing data from the Aft sensors), Tasks A_1-A_4 in FIG. 4,

3. Bearing Tracker software, Tasks B_1-B_3 in FIG 4, and ·

4. Display software, ~~Tasks D_1-D_4 in FIG. 4~~ Tasks D_1-D_3 in FIG. 4.